Mail Stop Patent Application COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, VA 22313-1450

DOCKET NO. IL920030018US1 Date: July 22, 2003

Express Mail Label: EV 309868499 US Date of Deposit: 22 July 2003

Transmitted herewith for filing is the Patent Application of: sir:

Inventors: Yehuda Naveh

## ASSIGNEE NAME: International Business Machines Corporation

ASSIGNEE RESIDENCE: Armonk, New York For: SOLVING CONSTRAINT SATISFACTION PROBLEMS USING VARIABLE-RANGE HOPPING

Enclosed are:

3110 = -	2	Sheets	of	Formal	Drawings
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- An assignment of the invention to International Business Machines Corporation,
- \_\_ A certified copy of a \_\_\_\_\_\_ application, dated \_\_\_\_\_\_, no. \_\_\_\_
- $\underline{X}$  Executed Declaration and Power of Attorney is attached to the application.
- Information Disclosure Statement with form PTO-1449 with references attached. X Power of Attorney. attached.

The filing fee has been calculated as shown below:

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- zero, enter "0" in Col. 2.  $\underline{x}$  Please charge my Deposit Account No.  $\underline{09-0468}$  in the amount
- x The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 09-0468. A duplicate copy of this sheet is enclosed.
  - $_{ ilde{x}}$  Any additional filing fees required under 37 CFR 1.16.
  - $_{\underline{\mathbf{x}}}$  Any patent application processing fees under 35 CFR 1.17. Respectfully submitted,

Stephen C. Kaufman Registration No.: 29,551 Tel. (914) 945-3197

IBM CORPORATION INTELLECTUAL PROPERTY LAW DEPT. P.O. BOX 218 YORKTOWN HEIGHTS, NY 10598 Fax: 914-945-3281

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: : **Dated**: July 22, 2003 Yehuda Naveh : Group Art Unit: To be Assigned **Serial No.:** To be Assigned : Examiner: To be Assigned Filed: Herewith : Docket No.: IL920030018US1 For: SOLVING CONSTRAINT SATISFACTION PROBLEMS USING VARIABLE-RANGE HOPPING Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 **EXPRESS MAIL CERTIFICATE** Express Mail Label Number EV 309868499 US Date of Deposit \_\_\_\_\_ July 22, 2003 I hereby certify that the attached paper or fee-1. Acknowledgment Post Card; 2. Application Transmittal Sheet (in duplicate): 3. Application with signed Declaration attached: 4. Set of two (2) Formal Drawings; and 5. Power of Attorney is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application , Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Michelle Parra Note: Each paper must have its own certificate and the "Express Mail" label number as a part thereof or attached thereto. When, as here, the certification is presented on a separate sheet, that sheet must (1) be signed and (2) fully identify and be securely attached to the paper or fee it

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Docket No. IL920030018US1